

### Data

Permissible leaking of vacuum elements	20 mbar/min at 300 mbar vacuum
Plug-on length of connections	10 — 12 mm

### Special tool

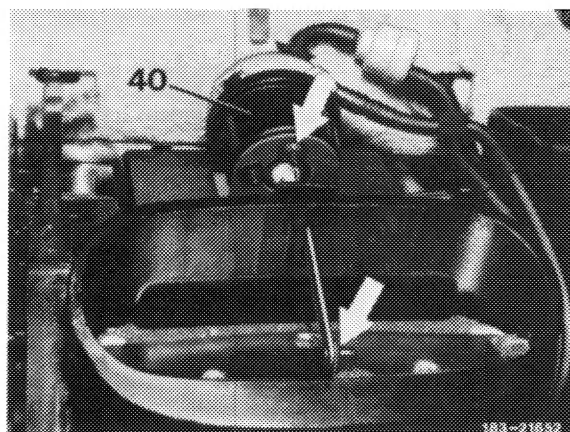
Tester for vacuum systems	116 589 25 21 00
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#### A. Vacuum element (40) for center nozzle

##### Removal

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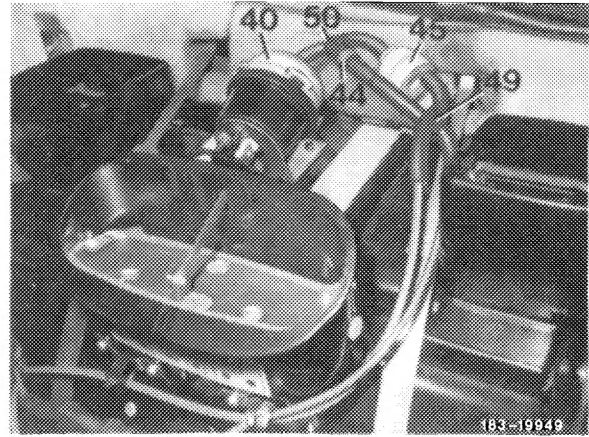
- 1 Remove instrument panel (68—100).
- 2 Pull vacuum line from vacuum element (40).
- 3 Remove locks from holder by means of screw-driver (arrow).
- 4 Loosen linkage on center nozzle flap (arrow) and remove vacuum element (40).



## Installation

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- 5 Install vacuum element (40) and fasten linkage to center nozzle flap using a new lock.
- 6 Attach vacuum element (40) with new locks (with rubber washers underneath) to holder.
- 7 Connect tester for vacuum systems and check vacuum element (40) for function and leaks. Then plug-on vacuum line.
- 8 Install instrument panel (68–100).
- 9 Check automatic climate control for function.

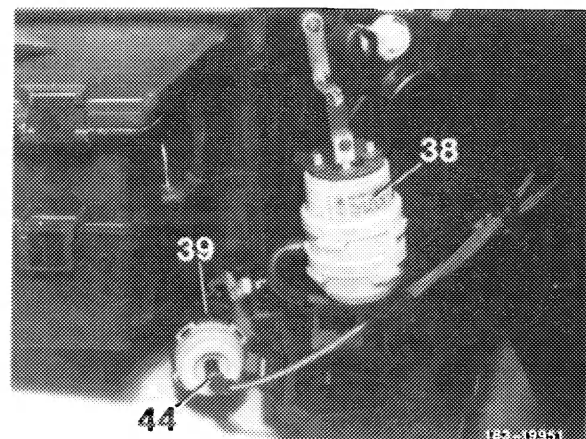


## B. Vacuum element (38) for defroster nozzles

### Removal

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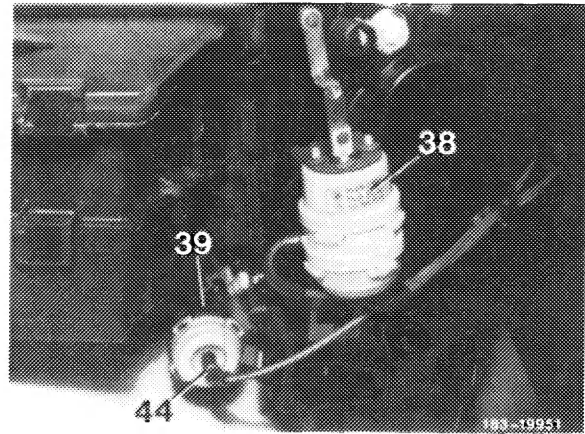
- 1 Remove cover at left under instrument panel.
- 2 Pull vacuum lines from 2-stage vacuum element (38).
- 3 Remove locks from holder by means of a screwdriver.
- 4 Loosen linkage from lever for defroster nozzle flap and remove vacuum element (38).



## Installation

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- 5 Install vacuum element (38) and attach linkage to lever for defroster nozzle flap using a new lock.
- 6 Attach vacuum element (38) with new locks (with rubber washers underneath) to holder.
- 7 Plug-on vacuum lines according to vacuum circuit diagram.
- 8 Check automatic climate control for function.

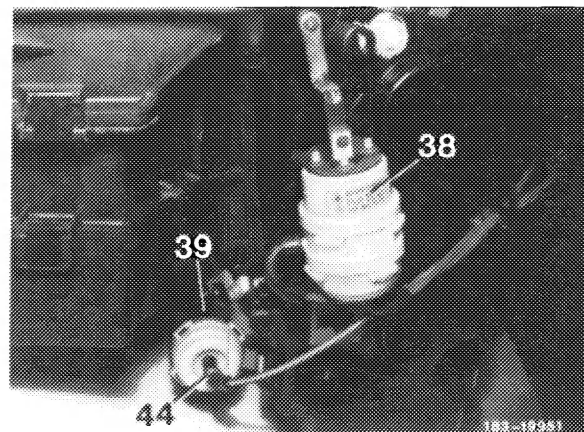


## C. Vacuum element (39) for legroom flaps

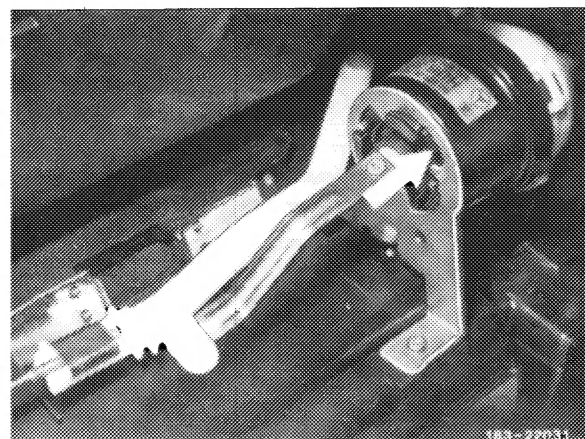
### Removal

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- 1 Remove cover at left and right under instrument panel.
- 2 Pull vacuum line from vacuum element (39).



- 3 Unclip linkage from vacuum element (39) on operating linkage of legroom flaps.
- 4 Push down lock (arrow) of bayonet lock while simultaneously unscrewing vacuum element (39) counterclockwise (in forward direction) from holder and remove.

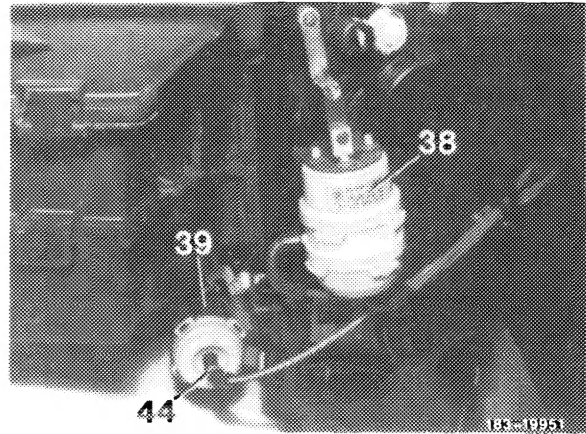


## Installation

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5 Install vacuum element (39) and screw clockwise (toward the rear) into holder.

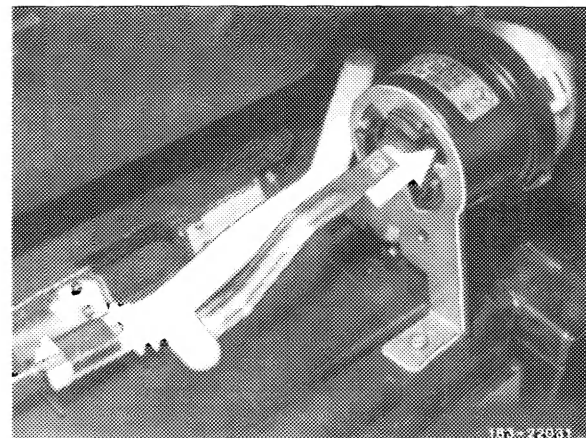
6 Clip linkage from vacuum element (39) to actuating linkage of legroom flaps.



7 Plug vacuum line to vacuum element (39).

8 Install cover at left and right under instrument panel.

9 Check automatic climate control for function.



## D. Vacuum element (42) for main air flap

### Removal

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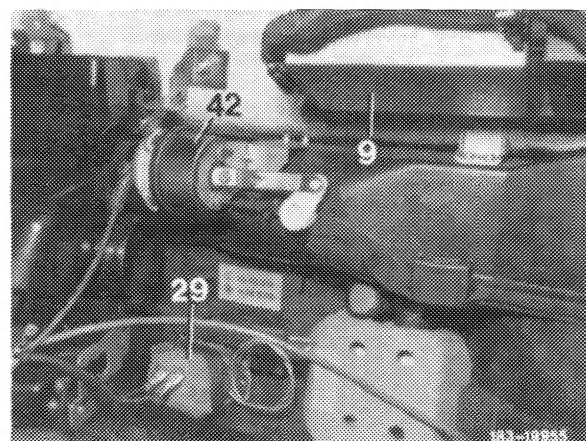
1 Remove glove box (68–140).

2 Remove cover at right under instrument panel.

3 Pull vacuum line from vacuum element (42).

4 Force linkage from lever for main air flap with a screwdriver and disconnect linkage.

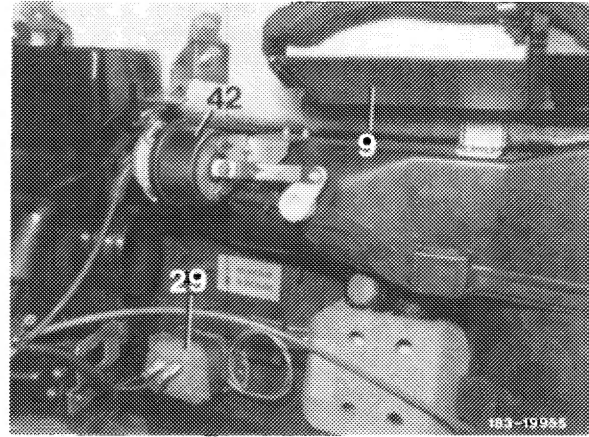
5 Remove locks on vacuum element (42) with a screwdriver and remove vacuum element from holder.



## Installation

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- 6 Clip vacuum element (42) to holder, using new locks (with rubber washers underneath).
- 7 Push linkage on lever for main air flap.
- 8 Connect vacuum line to vacuum element (42).



- 9 Install cover at the right under instrument panel.
- 10 Install glove box (68–140).
- 11 Check automatic climate control for function.

## E. Vacuum element (41) for fresh air-recirculating air flap

### Removal

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- 1 Remove glove box.
- 2 Pull vacuum line from vacuum element (41).
- 3 Unclip actuating linkage on recirculating air flap.
- 4 Push down lock on bayonet lock (arrow) while simultaneously unscrewing vacuum element toward the rear and remove.

### Installation

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For installation proceed vice versa.

